

Mail Stop: PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attorney's Ref: ABBLUM/263/US  
Date: August 5, 2003

Sir:

Transmitted herewith for filing is the (X) utility ( ) design patent application of  
Inventor(s): Charles Sumner, Jeffrey L. Heineman and Christopher A. Di Biase  
For: Dual Pressure Catalytic Distillation Hydrogenation Column System  
for the Front End of an Ethylene Plant

Enclosed are:

- (X) 22 sheets of specification including claims and abstract.
- (X) 4 sheets of drawings, Figs. 1 to 4.
- ( ) An assignment of the invention to \_\_\_\_\_.
- ( ) A certified copy of a \_\_\_\_\_ application.
- (X) An unsigned Inventors' Declaration and power of attorney.
- ( ) A preliminary amendment.

The filing fee has been calculated as shown below:

( ) design application for ( ) small entity = \$165 ( ) not small entity = \$330  
(X) utility application

	<u>No. Filed</u>	<u>No. extra</u>	<u>Rate</u>	<u>Small Entity Fee</u>	<u>Not Small Entity Rate</u>	<u>Fee</u>
<b>Basic Fee</b>				<b>\$375 OR</b>		<b>\$750</b>
Total Claims	21 - 20 = 1		x 9 =		OR x 18 =	18
Indep. Claims	2 - 3 = 0		x 42 =		OR x 84 =	
Multiple Dependent Claims Presented			+ 140 =		OR + 280 =	
			<b>TOTAL =</b>		<b>TOTAL =</b>	<b>768</b>

- (XX) A check in the amount of \$ 768.00 to cover the filing fee is enclosed.
- ( ) Please charge my Deposit Account No. 16-2563 in the amount of \$ \_\_\_\_\_ to cover the filing fee. A duplicate of this sheet is enclosed.
- (XX) The Commissioner is hereby authorized to charge any additionally required filing fees under 37 CFR 1.16 associated with this communication or credit any overpayment to Deposit Account No. 16-2563. A duplicate copy of this sheet is enclosed.
- ( ) The Commissioner is hereby authorized to charge fees under 37 CFR 1.16 and 1.17 required during the pendency of this application and to credit any overpayment to Deposit Account No. 16-2563. A duplicate copy of this sheet is enclosed.

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I, Kathleen C. Stuart, hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on August 5, 2003, and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Kathleen C. Stuart*